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Description

Remingtonocetus domandaensis was named by Gingerich et al. 2001 based on a partial skeleton found in a Lutetian coastal shale in the Domanda Formation of Pakistan.^[3]



Remingtonocetus harudiensis (cast of specimen IITR-SB 2770)

Remingtonocetus

**Temporal range: Middle Eocene,
45–43.5 Ma**

Pre€ € OS D C P T J K PgN



Life restoration of *R. harudiniensis*.

Scientific classification

Kingdom: Animalia

Phylum: Chordata

Class: Mammalia

Order: Artiodactyla

Infraorder: Cetacea

Family: †Remingtonocetidae

Genus: †*Remingtonocetus*
Kumar & Sahni 1986

Species^[1]

- *R. harudiensis* (type)
Sahni & Mishra 1975
- *R. domandaensis*
Gingerich et al. 2001

Remingtonocetus is larger, has a broader rostrum, and longer premolars than *Andrewsiphius*. It is smaller than, has more gracile premolars and molars than *Dalanistes*. *R. harudiensis* differs from *R. domandaensis* in molar morphology.^[4]

Gingerich et al. 2001 interpreted *R. domandaensis* as an older and more generalized species than *R. harudiensis*. Based on a morphological analysis, they concluded that the hindlimbs of *Remingtonocetus* were probably not weight-bearing, and that (1) the fused sacrum indicates a limitation in tail-powered locomotion, and (2) the presence of powerful hip extensors and femoral adductors indicates that *Remingtonocetus* was an efficient and specialized foot-powered swimmer.^[5]

Remingtonocetus had four working and usable limbs, a slender whale-like body with long tail and slender, hydrodynamic head.

Taxonomy

Remingtonocetus was named by Kumar & Sahni 1986. Its type is *Protocetus harudiensis*. It was considered monophyletic by Uhen et al. 2011. It was assigned to Cetacea by Sepkoski 2002. To *Remingtonocetidae* by Kumar & Sahni 1986, Gingerich & Russell 1990, Benton 1993, McKenna & Bell 1997, Bajpai & Thewissen 1998, Williams 1998, Thewissen et al. 2001, Gingerich et al. 2001, Geisler & Sanders 2003, McLeod & Barnes 2008 and Uhen et al. 2011.^[1]

See also

- Evolution of cetaceans

Notes

1. *Remingtonocetus* (http://paleobiodb.org/cgi-bin/bridge.pl?a=checkTaxonInfo&taxon_no=36838) in the Paleobiology Database. Retrieved March 2013.
2. *Remingtonocetus harudiensis* (http://paleobiodb.org/cgi-bin/bridge.pl?a=checkTaxonInfo&taxon_no=63122) in the Paleobiology Database. Retrieved March 2013.
3. *Remingtonocetus domandaensis* (http://paleobiodb.org/cgi-bin/bridge.pl?a=checkTaxonInfo&taxon_no=53239) in the Paleobiology Database. Retrieved March 2013.
4. Gingerich et al. 2001, pp. 289, 291
5. Gingerich et al. 2001, Discussion, pp. 293–4

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